

Title (en)

DETERMINING MISS DISTANCE AND BULLET SPEED OF A BURST OF BULLETS

Title (de)

BESTIMMUNG DES VERFEHLUNGSABSTANDS UND DER KUGELGESCHWINDIGKEIT EINER KUGELSALVE

Title (fr)

DÉTERMINATION D'UNE DISTANCE DE PASSAGE ET DE LA VITESSE DE BALLES D'UNE RAFALE DE BALLES

Publication

**EP 3177940 A4 20180418 (EN)**

Application

**EP 15830738 A 20150806**

Priority

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- US 2015043905 W 20150806

Abstract (en)

[origin: WO2016022743A1] Disclosed is an example for determining miss distance and bullet speed of a burst of bullets. In one example, shock wave (SW) vectors emanating from bullets are estimated using a first sensor. Further, firing point (FP) vectors and closest-point-of-approach (CPA) vectors emanating from the bullets are estimated using a second sensor. The first sensor and the second sensor are disposed on a platform. The SW vectors, the FP vectors and the CPA vectors are determined as emanating from the burst of bullets. The miss distance and bullet speed of the burst of bullets are determined using the FP vectors, the SW vectors, and the CPA vectors that are emanating from the burst of bullets.

IPC 8 full level

**G01S 3/808** (2006.01); **F41G 3/14** (2006.01); **G01S 5/18** (2006.01)

CPC (source: EP KR US)

**F41G 3/147** (2013.01 - EP KR US); **G01S 3/782** (2013.01 - EP KR US); **G01S 3/808** (2013.01 - US); **G01S 3/8086** (2013.01 - KR); **G01S 5/18** (2013.01 - EP US); **G01S 11/14** (2013.01 - KR US); **G01S 3/8086** (2013.01 - EP US)

Citation (search report)

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- [A] US 5258962 A 19931102 - KARLSEN LASSE [SE]
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- See also references of WO 2016022743A1

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DOCDB simple family (application)

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